

Program EVALPLOT
(Version 2018-1)

by

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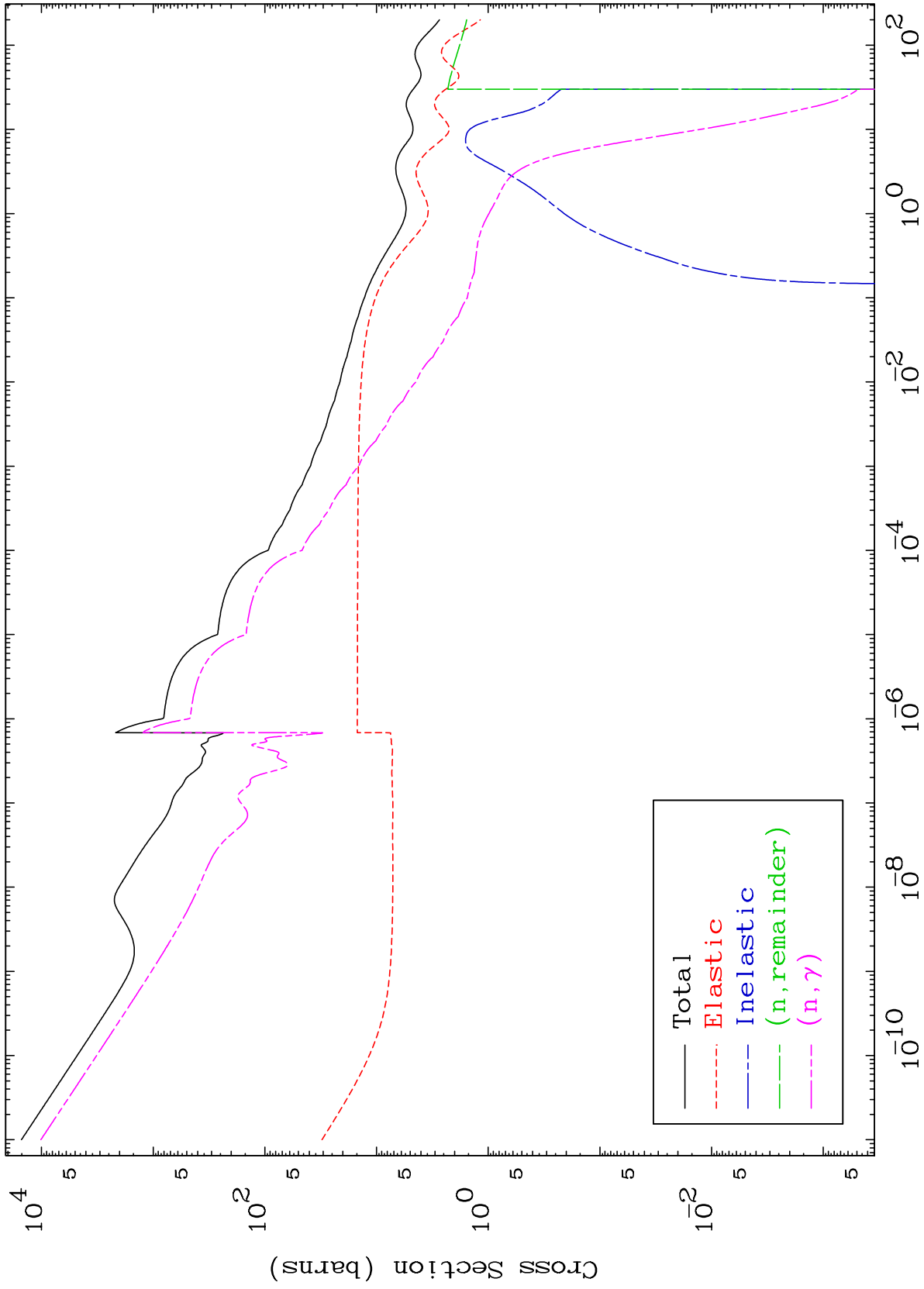
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7874

Major
293 Kelvin Cross Sections

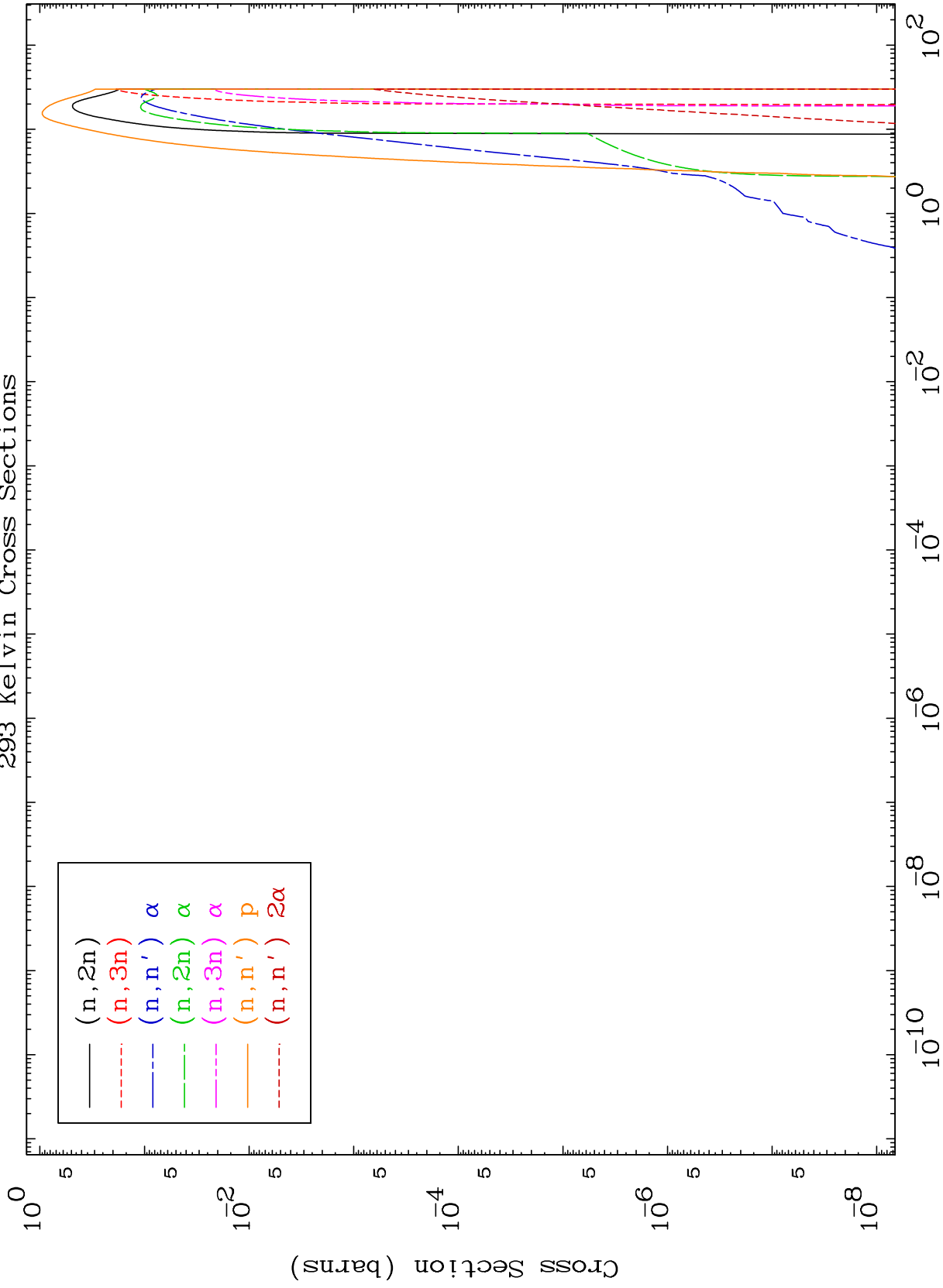
79-Au-180



MAT 7874

Neutron Production
293 Kelvin Cross Sections

79-Au-180



2

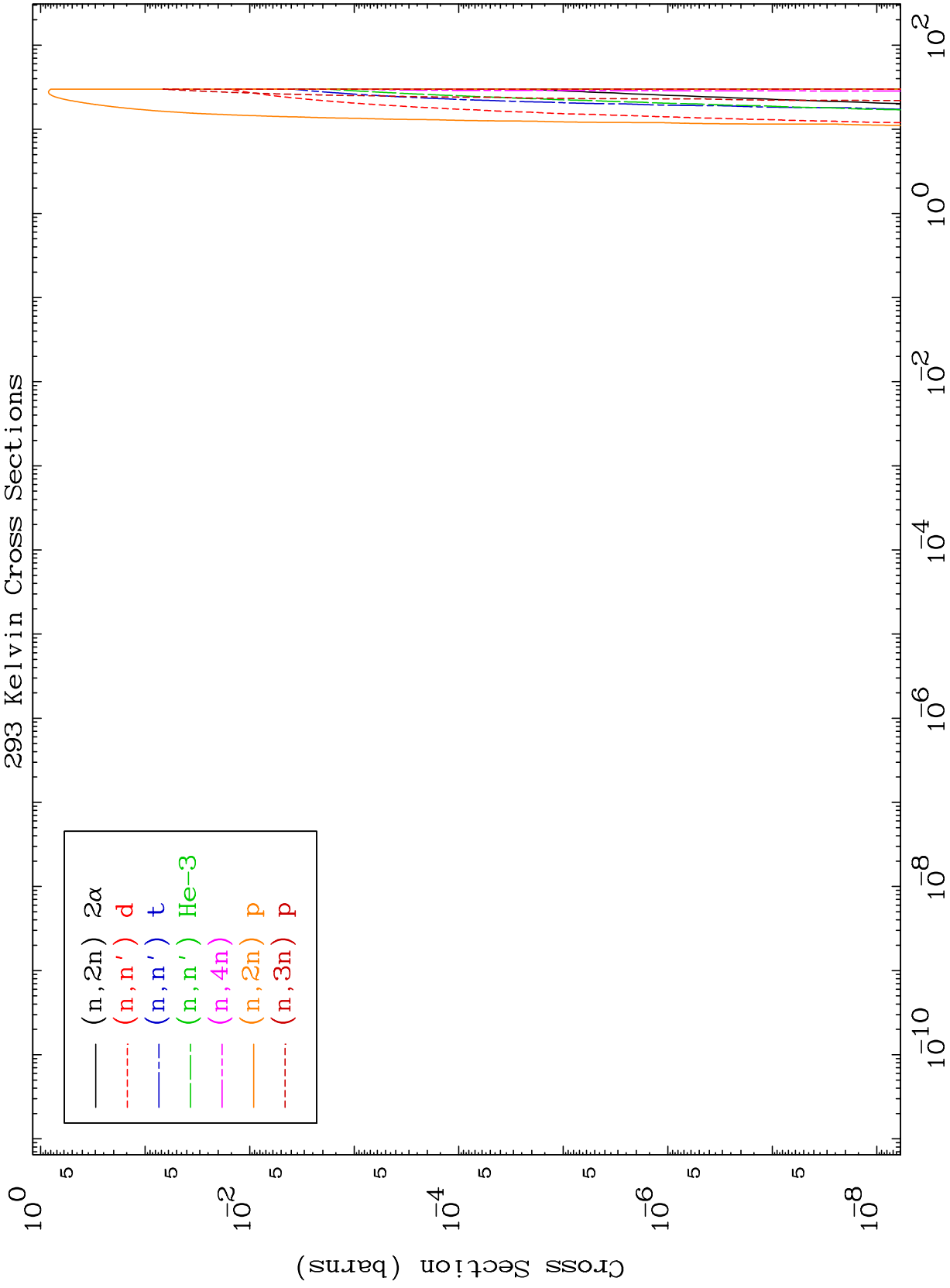
Incident Energy (MeV)

79-Au-180

MAT 7874

Neutron Production
293 Kelvin Cross Sections

79-Au-180



3

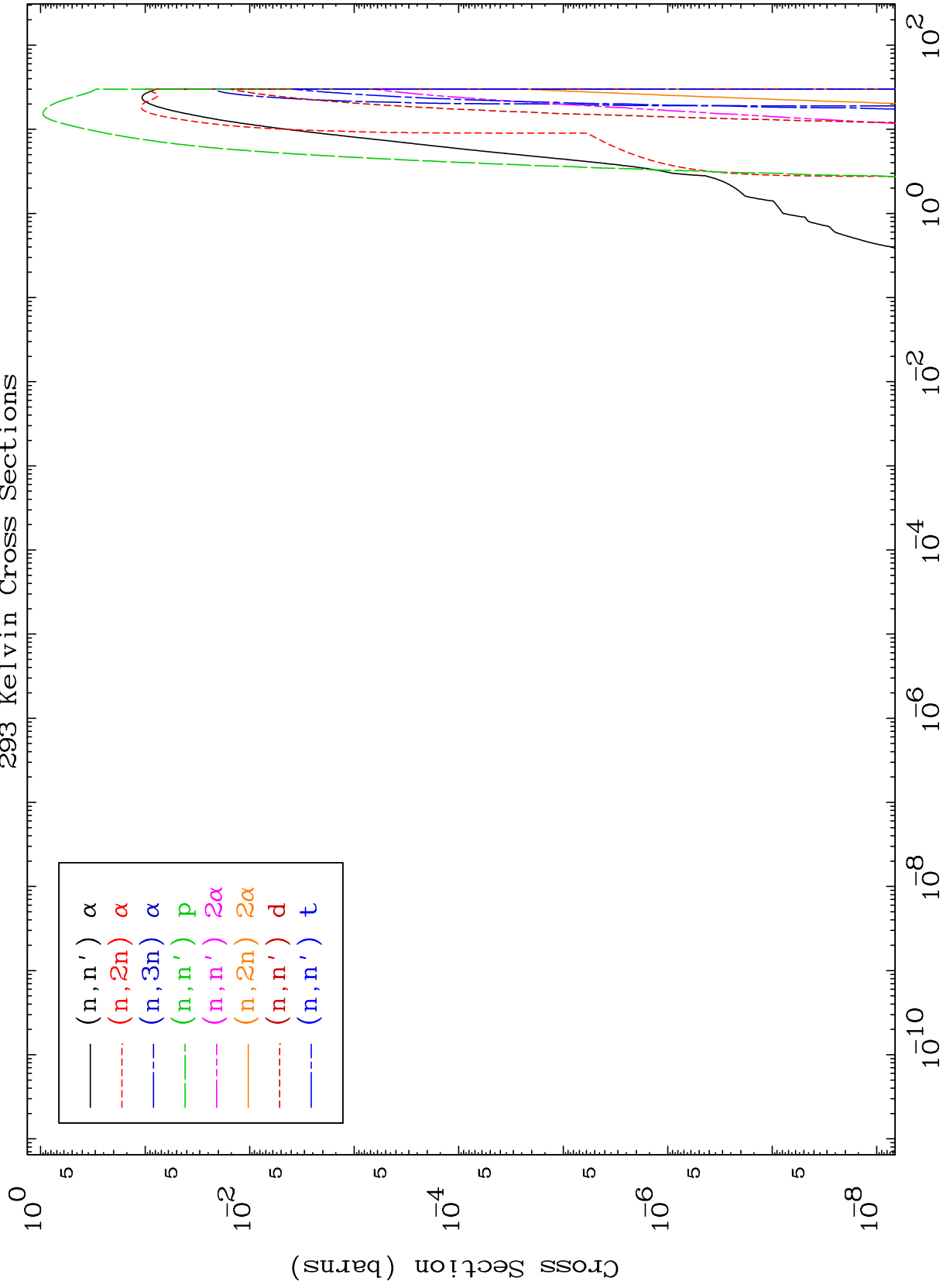
Incident Energy (MeV)

79-Au-180

MAT 7874

293 Kelvin Cross Sections

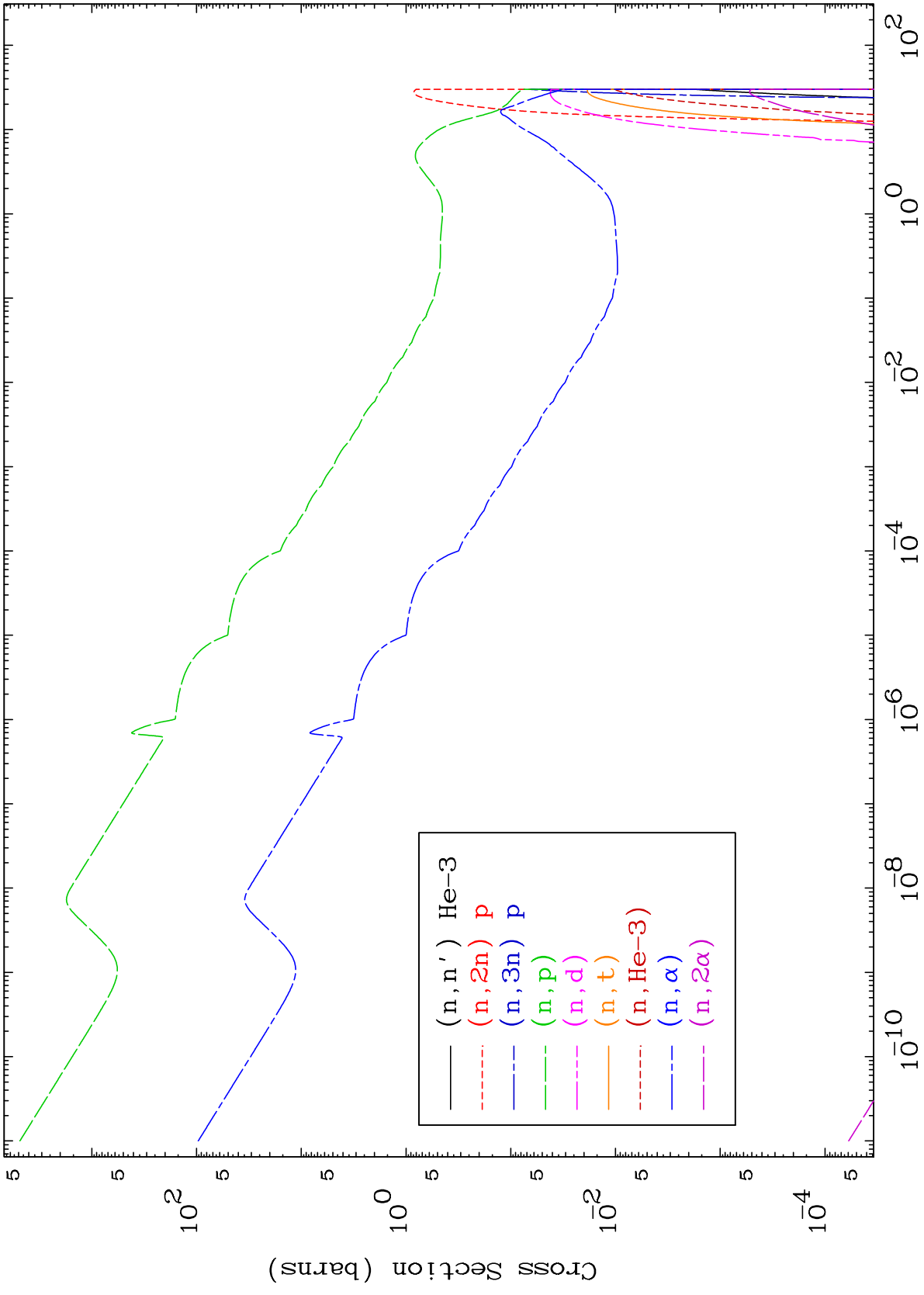
79-Au-180



MAT 7874

Charged Particle
293 Kelvin Cross Sections

79-Au-180



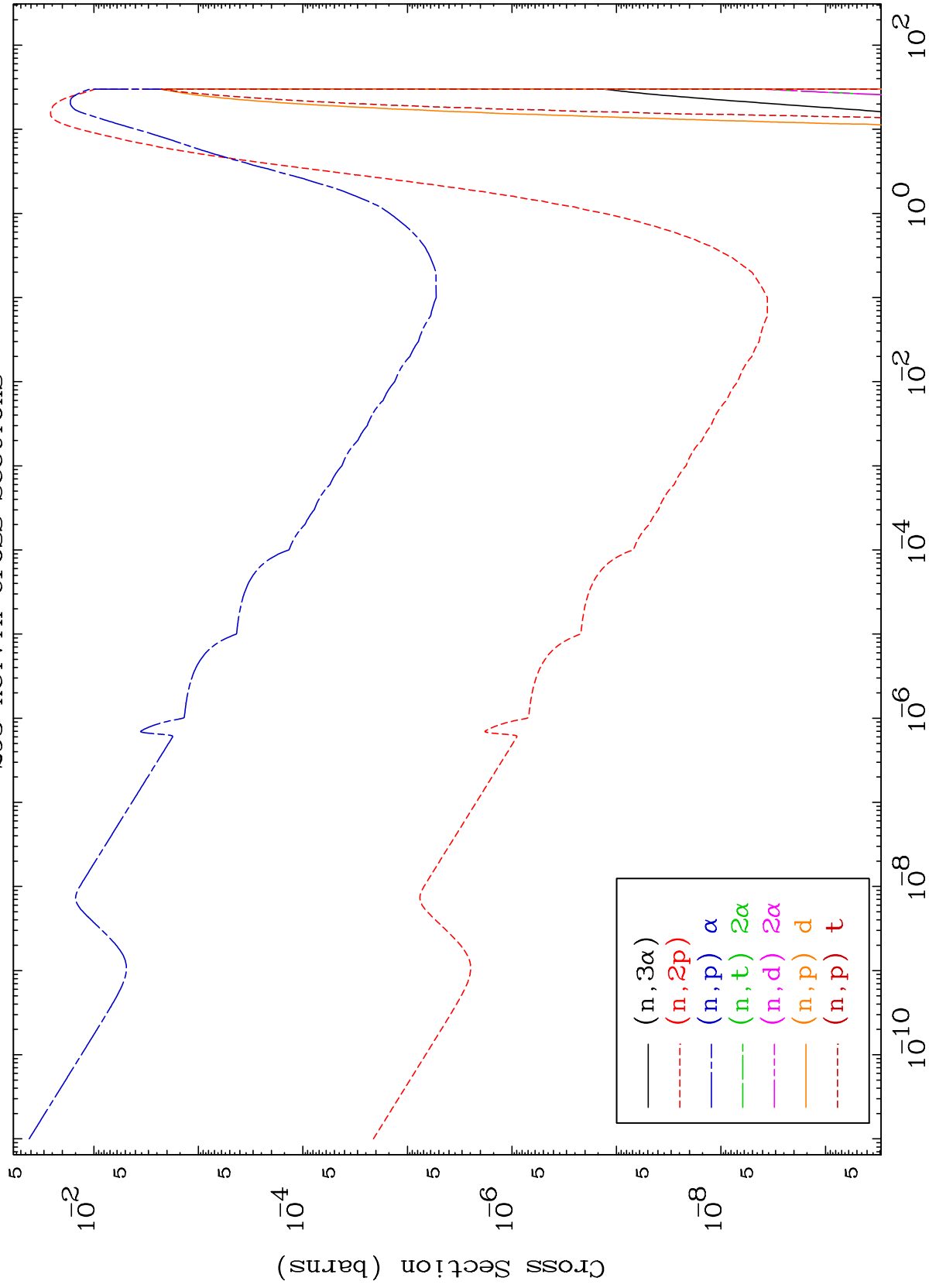
5

79-Au-180

MAT 7874

Charged Particle
293 Kelvin Cross Sections

79-Au-180



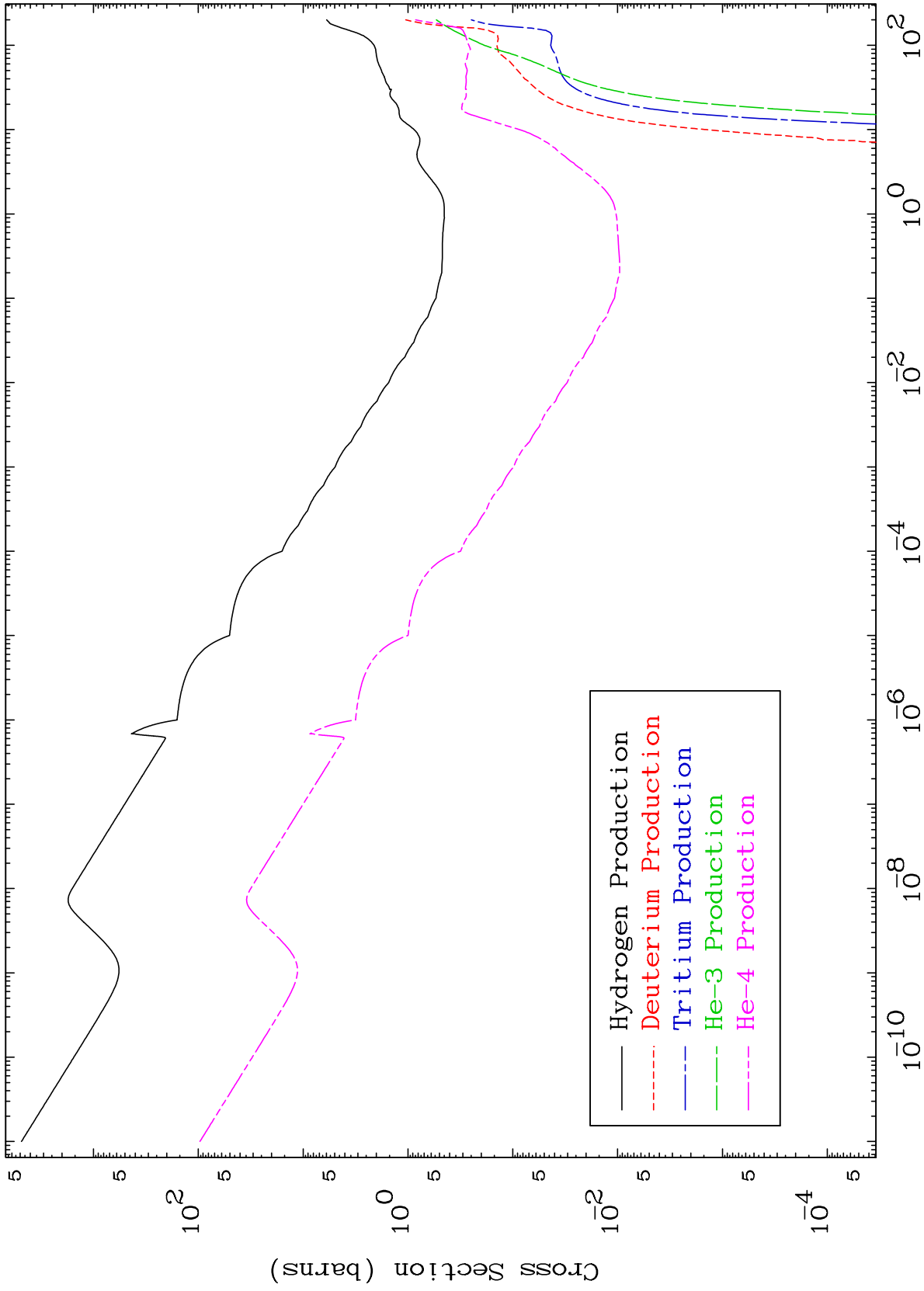
79-Au-180

Incident Energy (MeV)

MAT 7874

Particle Production
293 Kelvin Cross Sections

79-Au-180



7

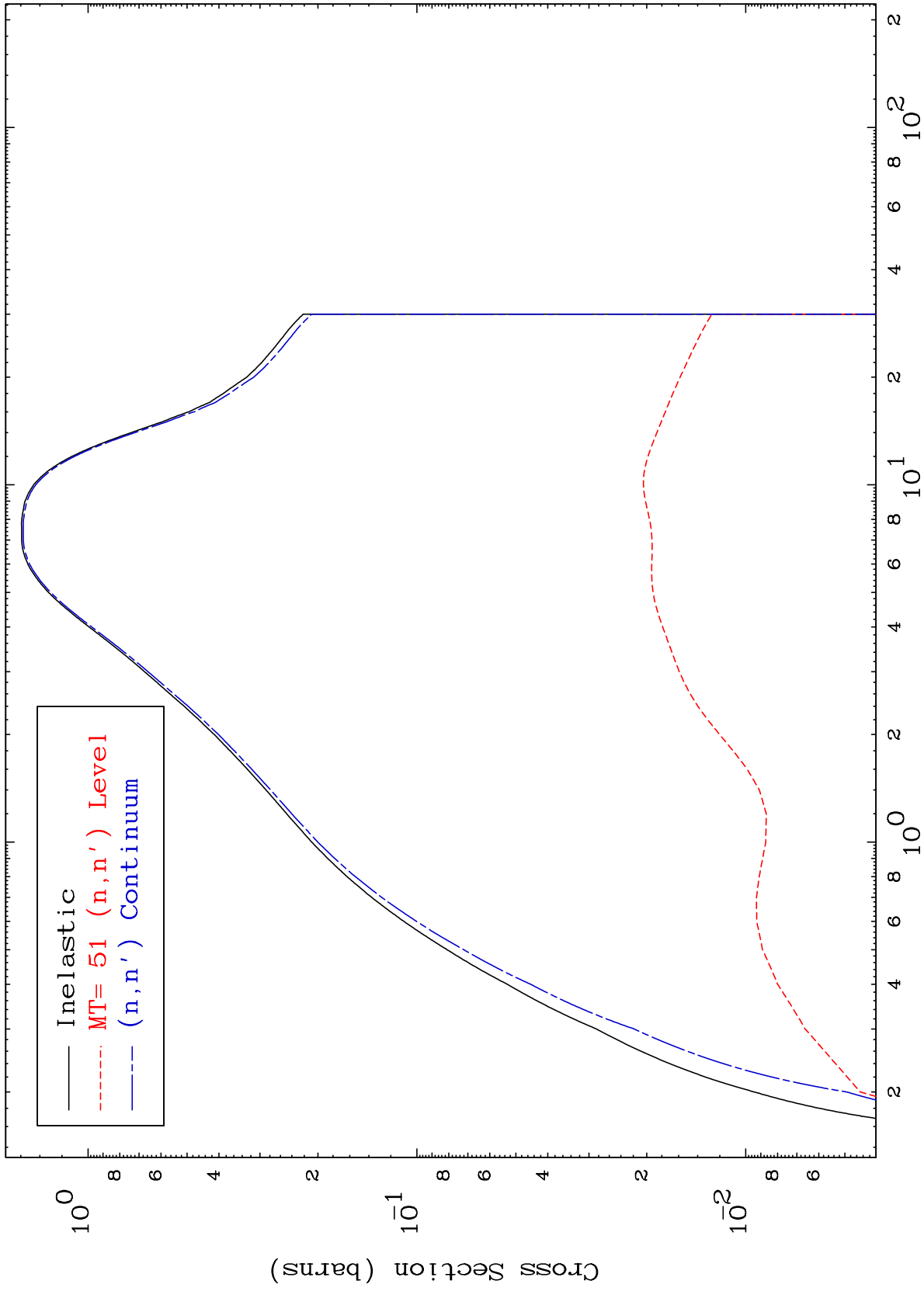
Incident Energy (MeV)

79-Au-180

MAT 7874

293 Kelvin Cross Sections

79-Au-180



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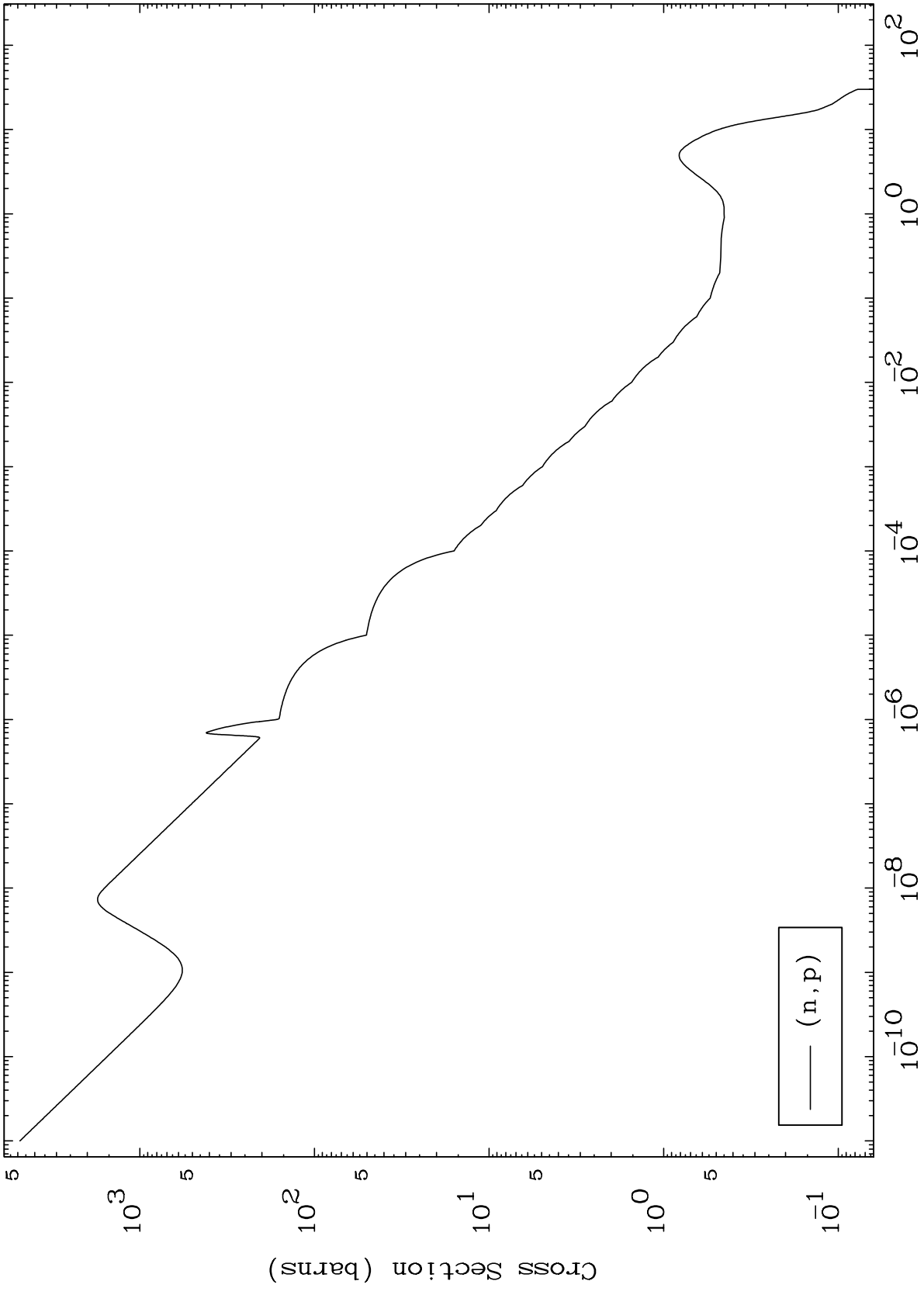
Incident Energy (MeV)

79-Au-180

MAT 7874

(n,p) Levels
293 Kelvin Cross Sections

79-Au-180

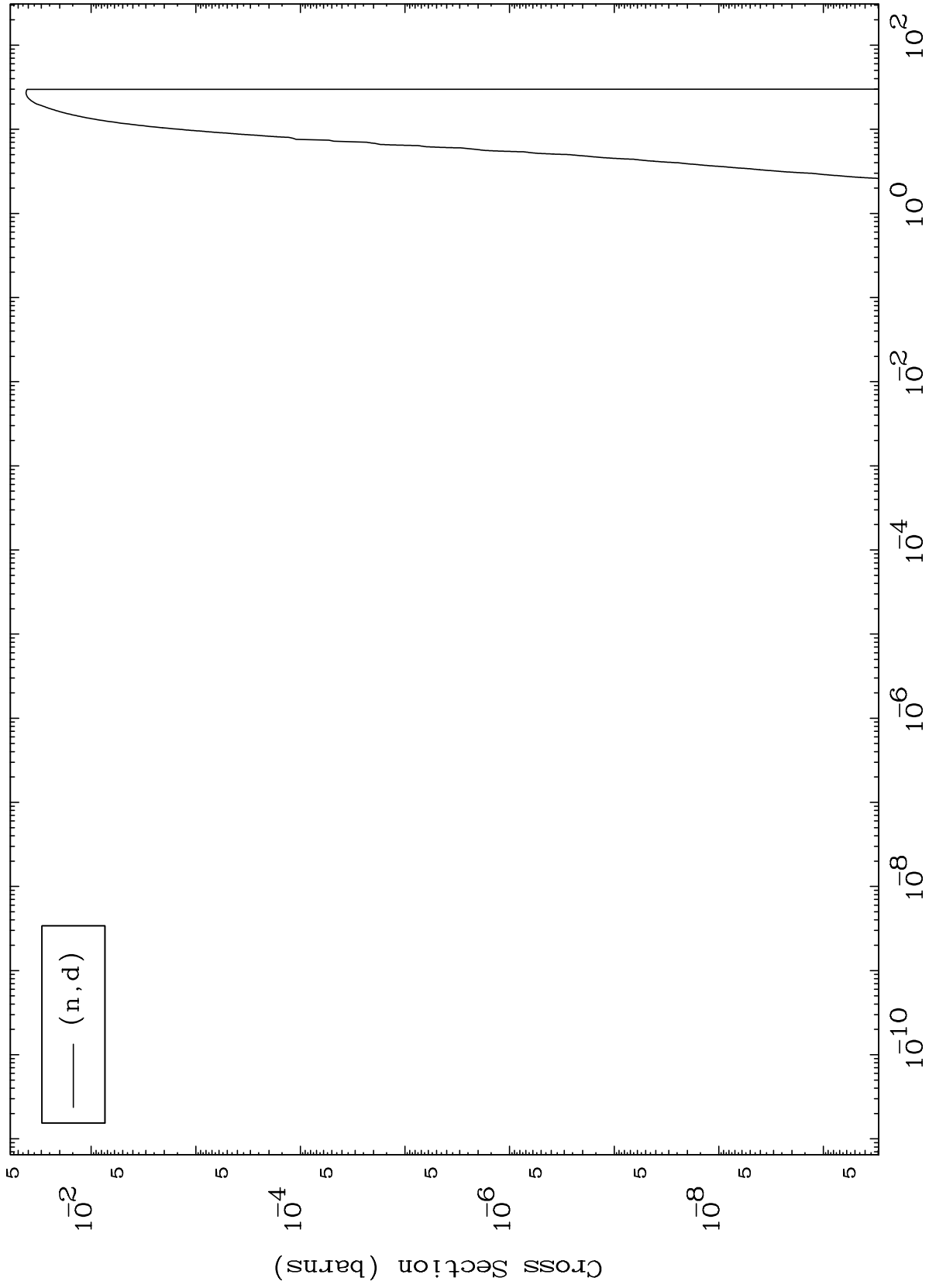


79-Au-180

MAT 7874

(n,d) Levels
293 Kelvin Cross Sections

79-Au-180



10

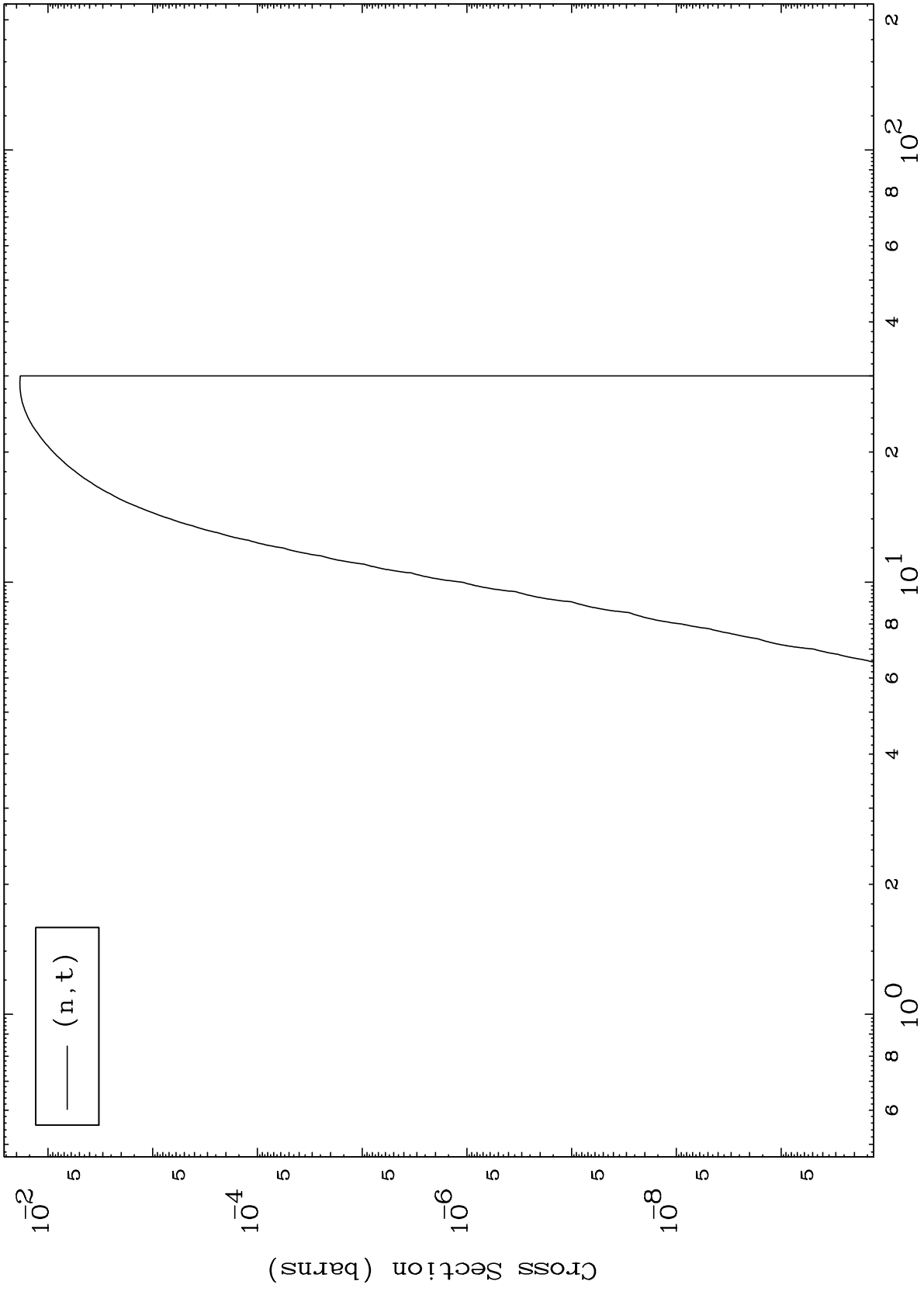
Incident Energy (MeV)

79-Au-180

MAT 7874

(n,t) Levels
293 Kelvin Cross Sections

⁷⁹Au-180



11

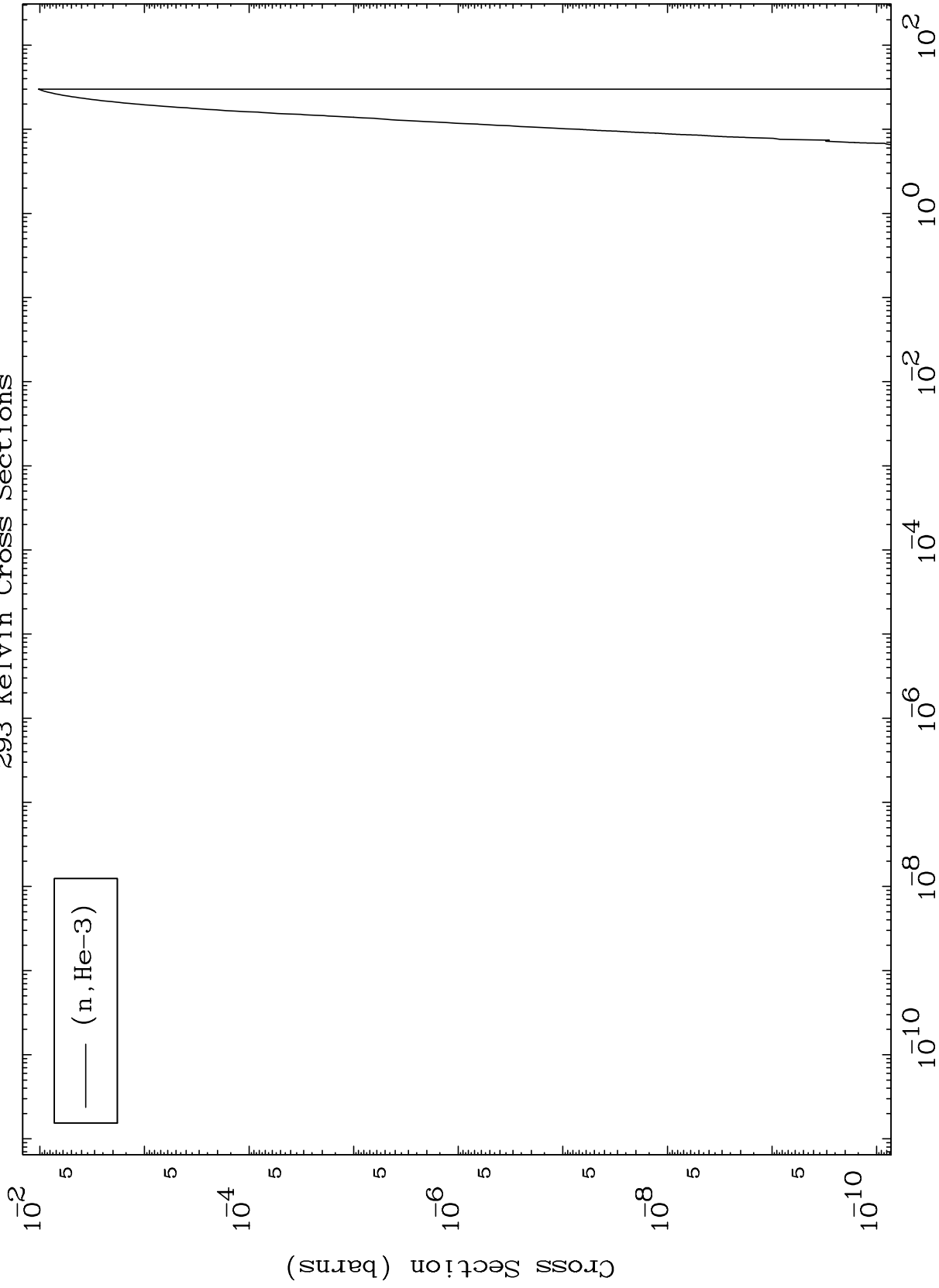
Incident Energy (MeV)

⁷⁹Au-180

MAT 7874

(n,He3) Levels
293 Kelvin Cross Sections

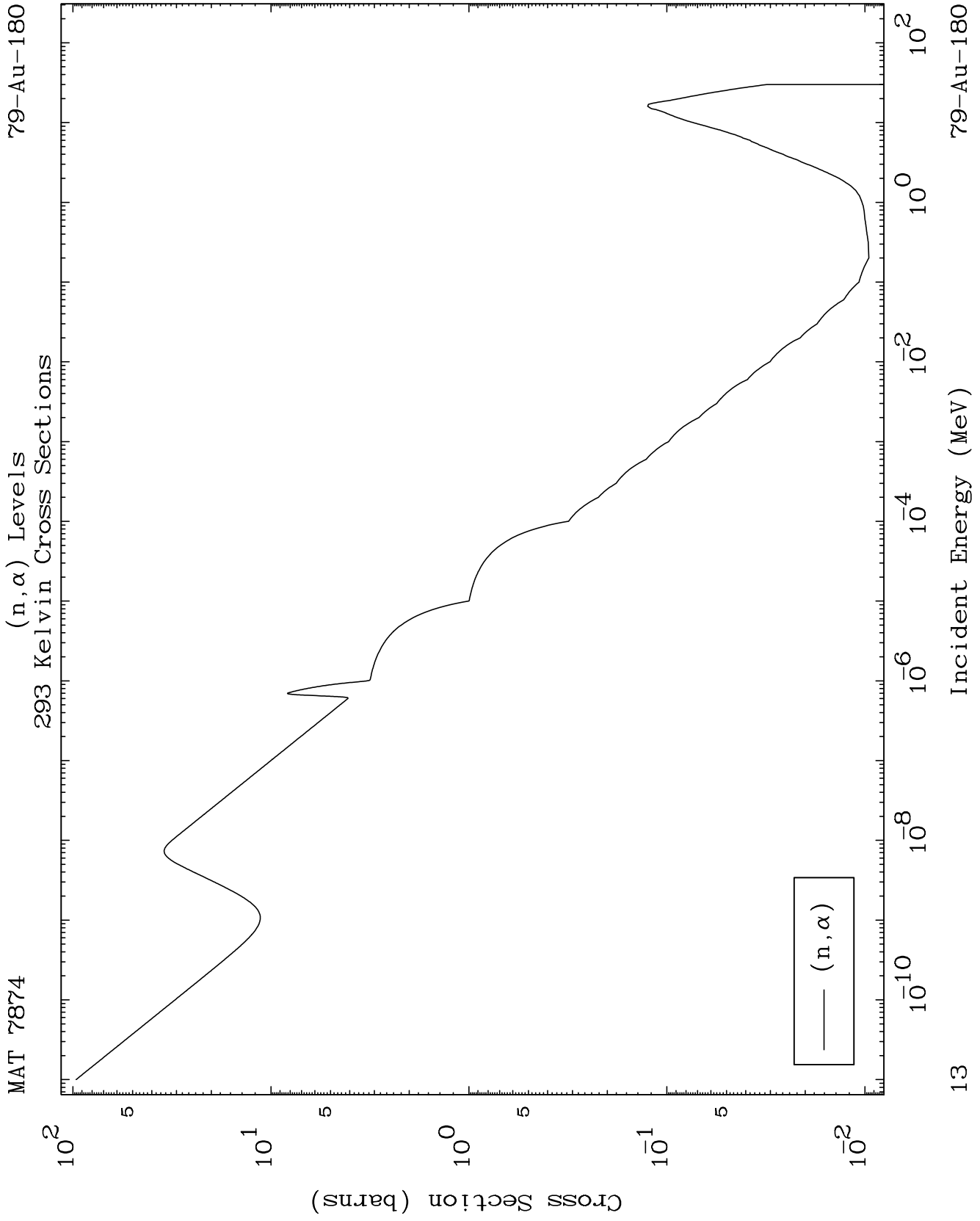
79-Au-180

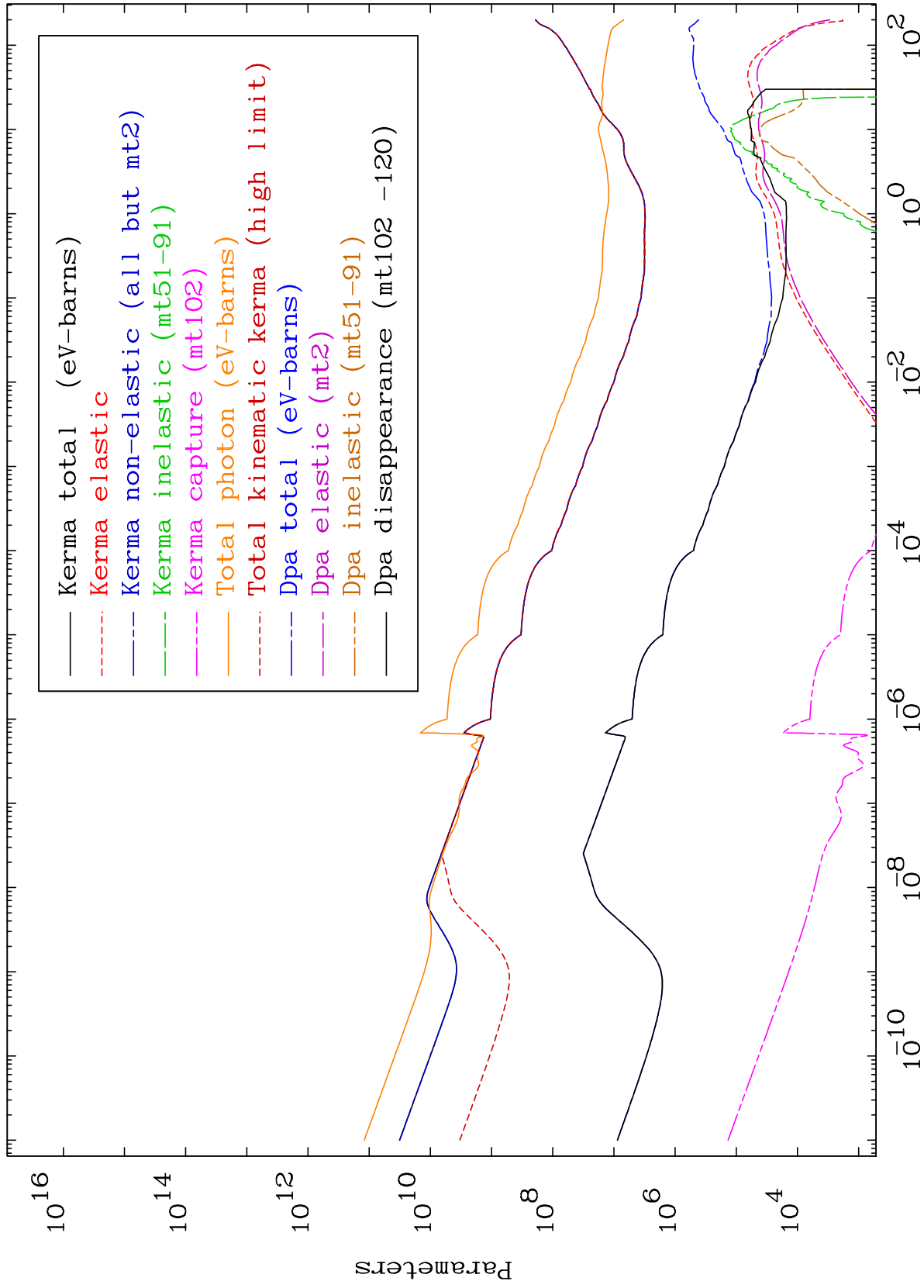


12

Incident Energy (MeV)

79-Au-180

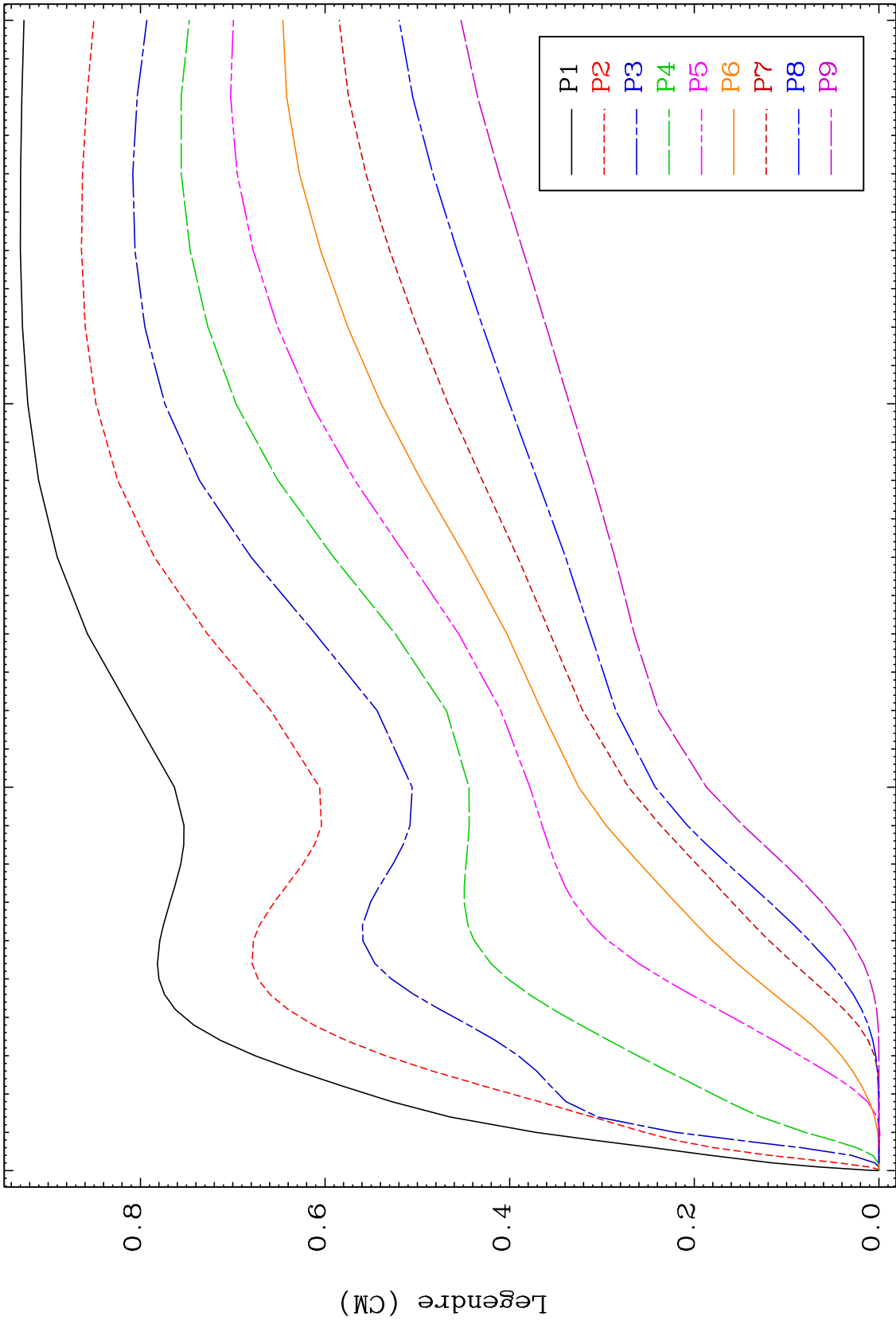




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Elastic Legendre Coefficients

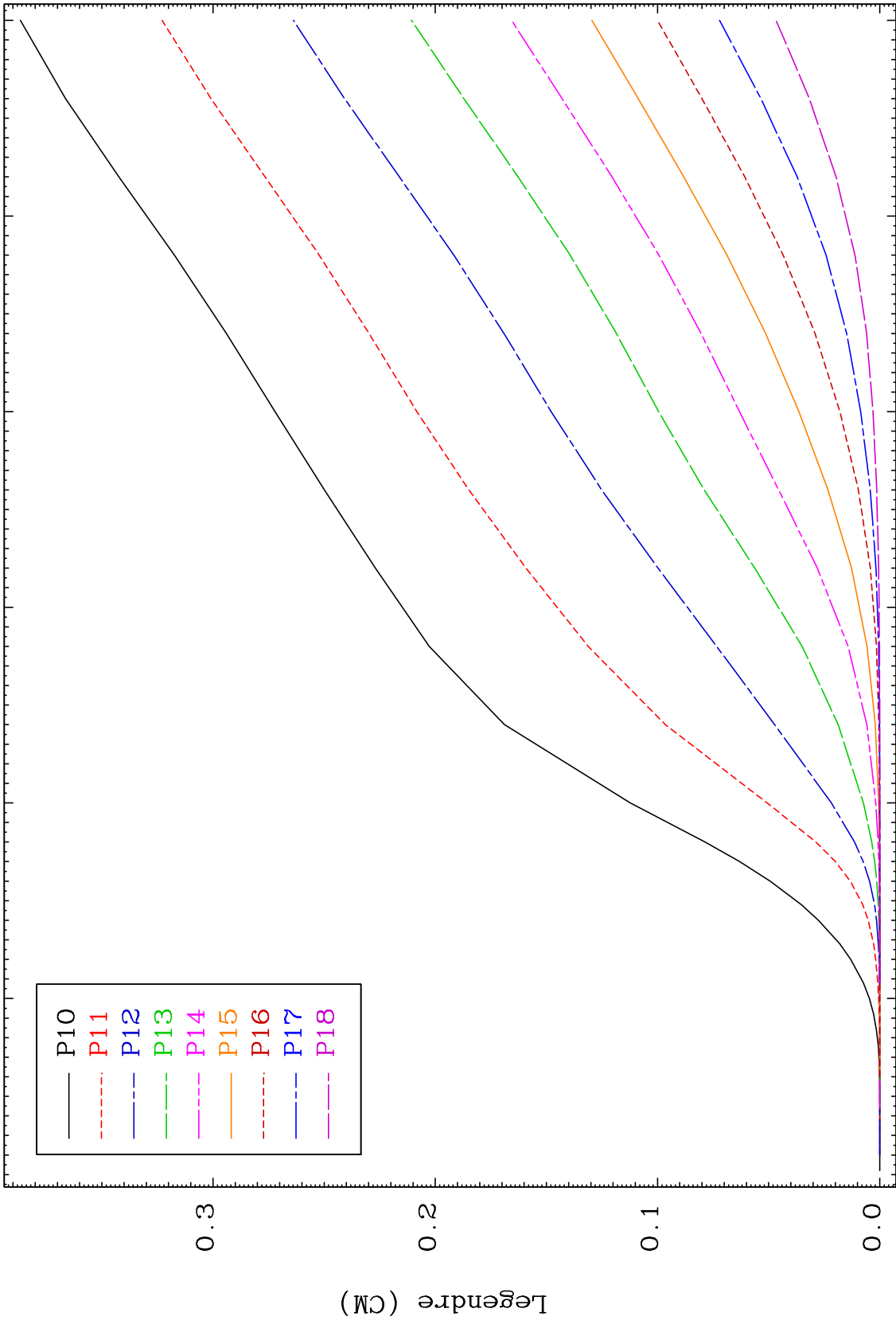
⁷⁹Au-180



MAT 7874

Elastic Legendre Coefficients

⁷⁹Au-180



16

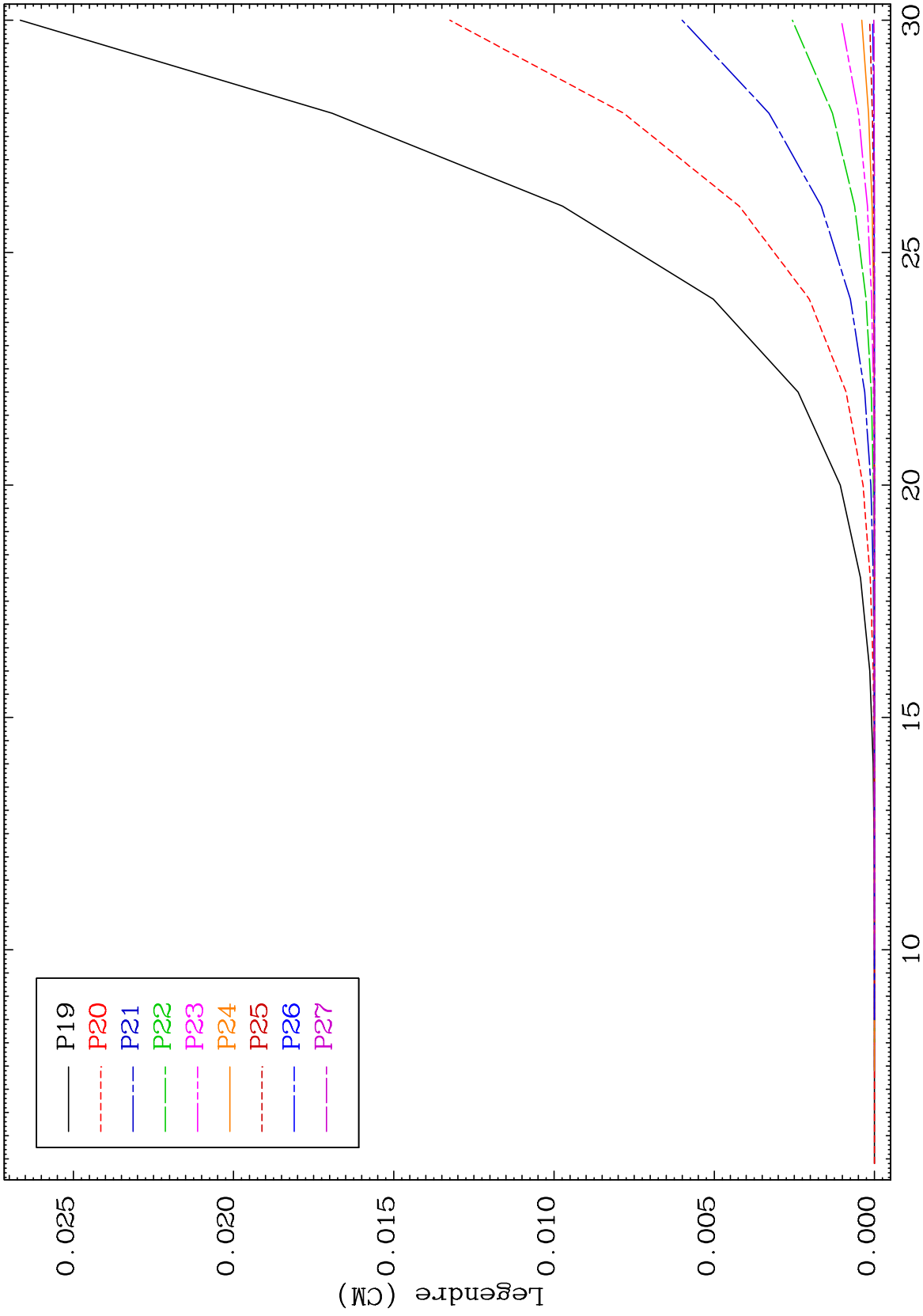
Incident Energy (MeV)

⁷⁹Au-180

MAT 7874

Elastic Legendre Coefficients

79-Au-180



17

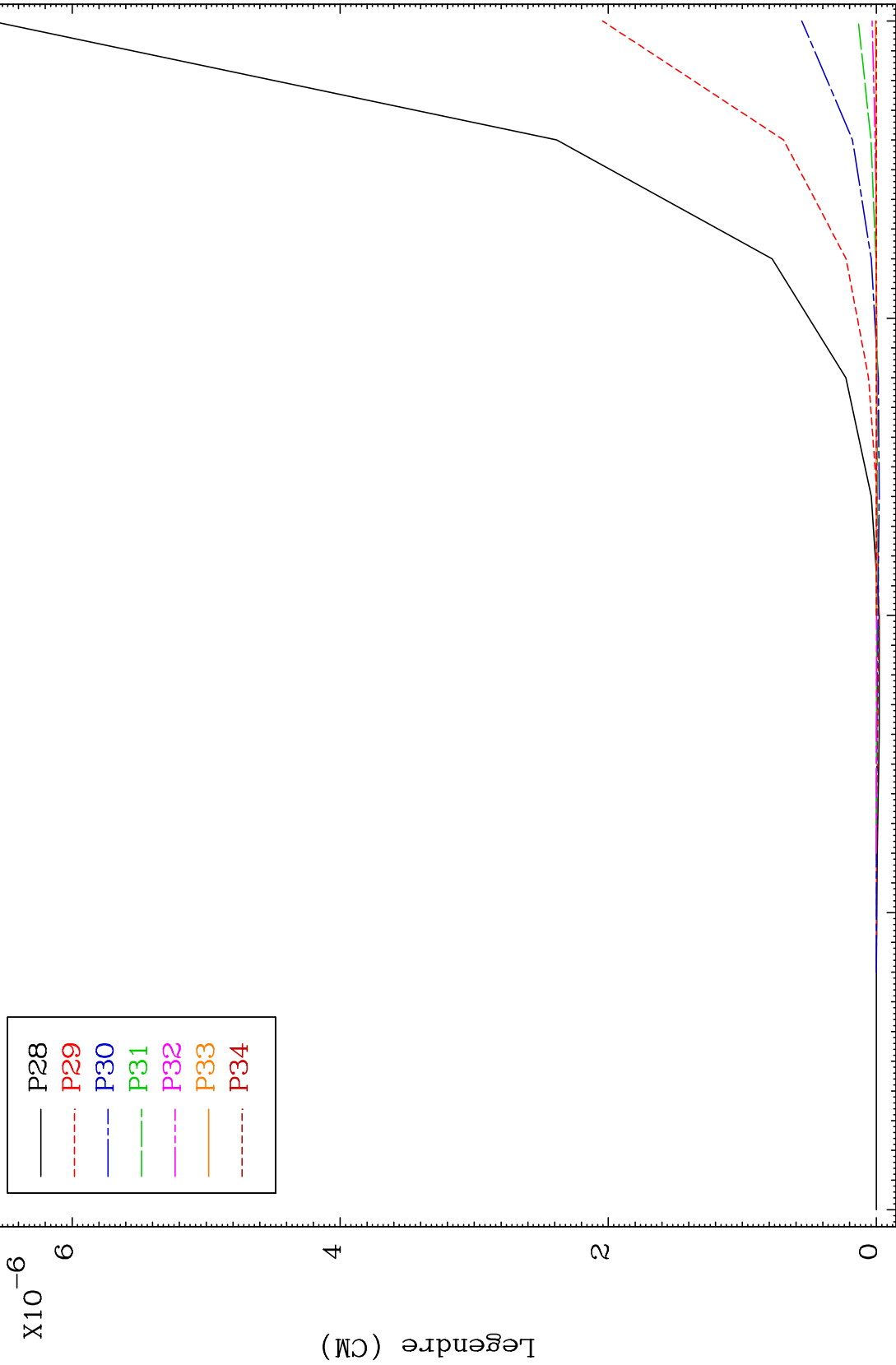
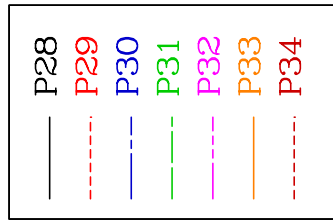
Incident Energy (MeV)

79-Au-180

MAT 7874

Elastic Legendre Coefficients

79-Au-180



10

15

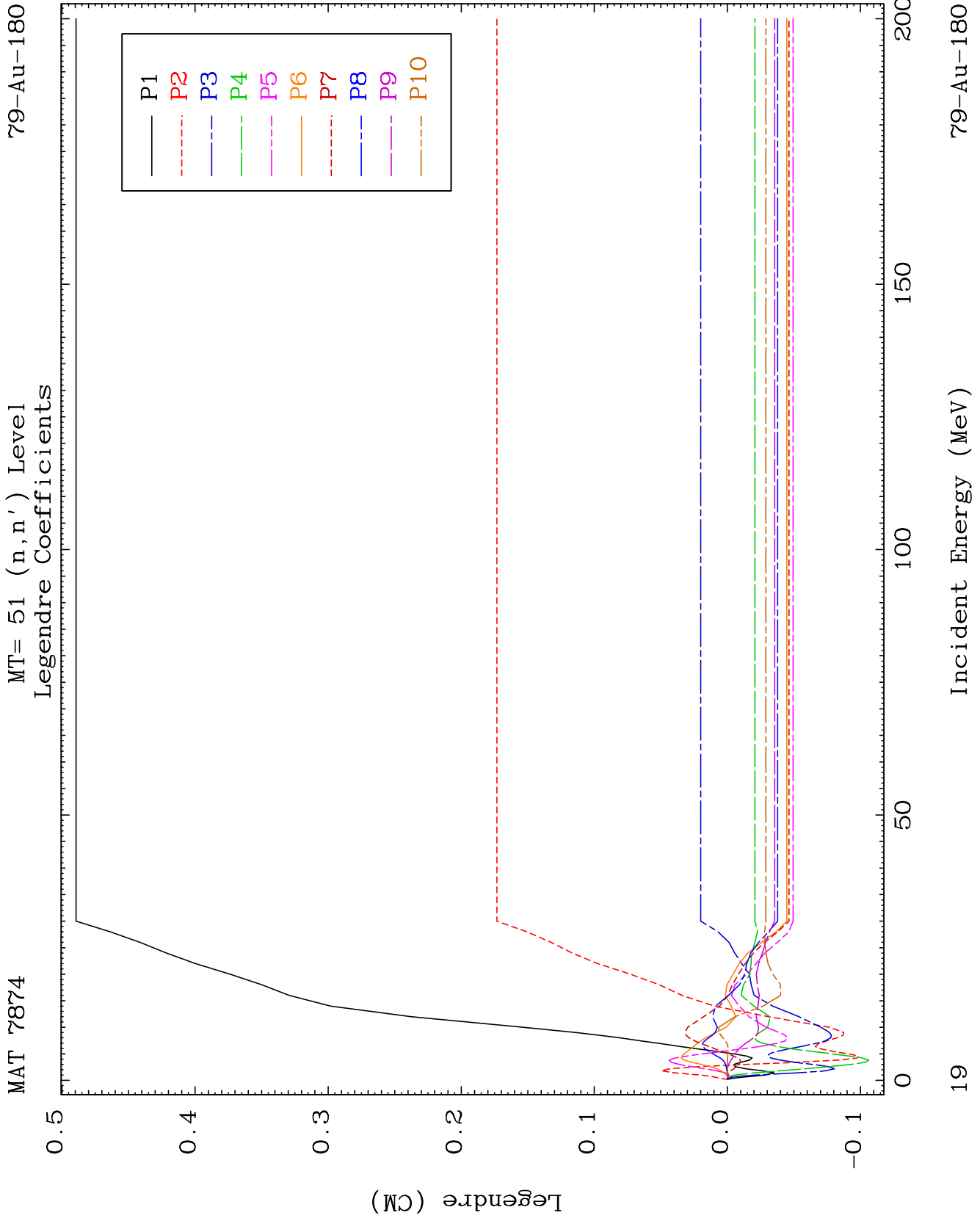
20

25

30

Incident Energy (MeV)

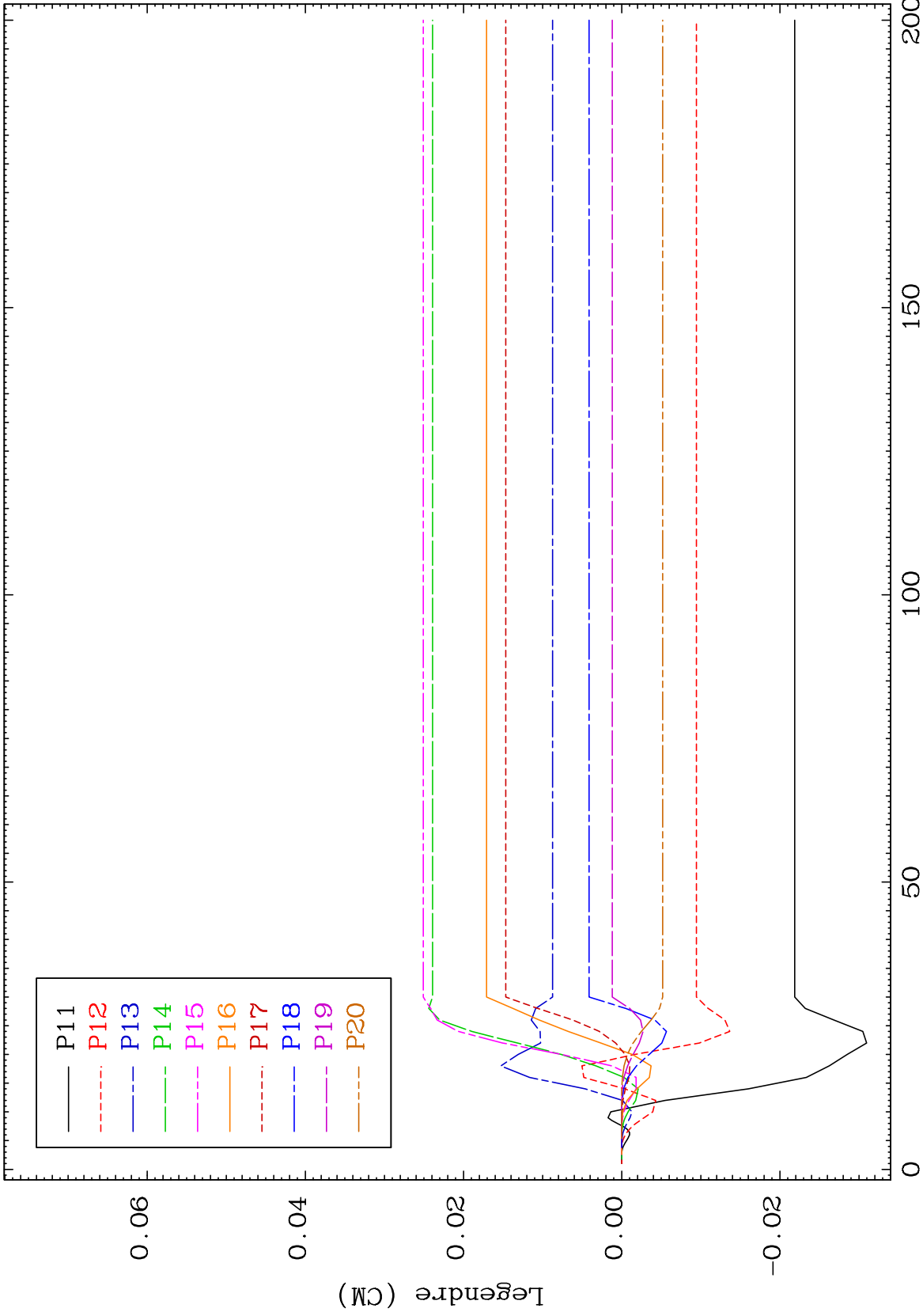
79-Au-180



MAT 7874

MT= 51 (n,n') Level
Legendre Coefficients

79-Au-180



20

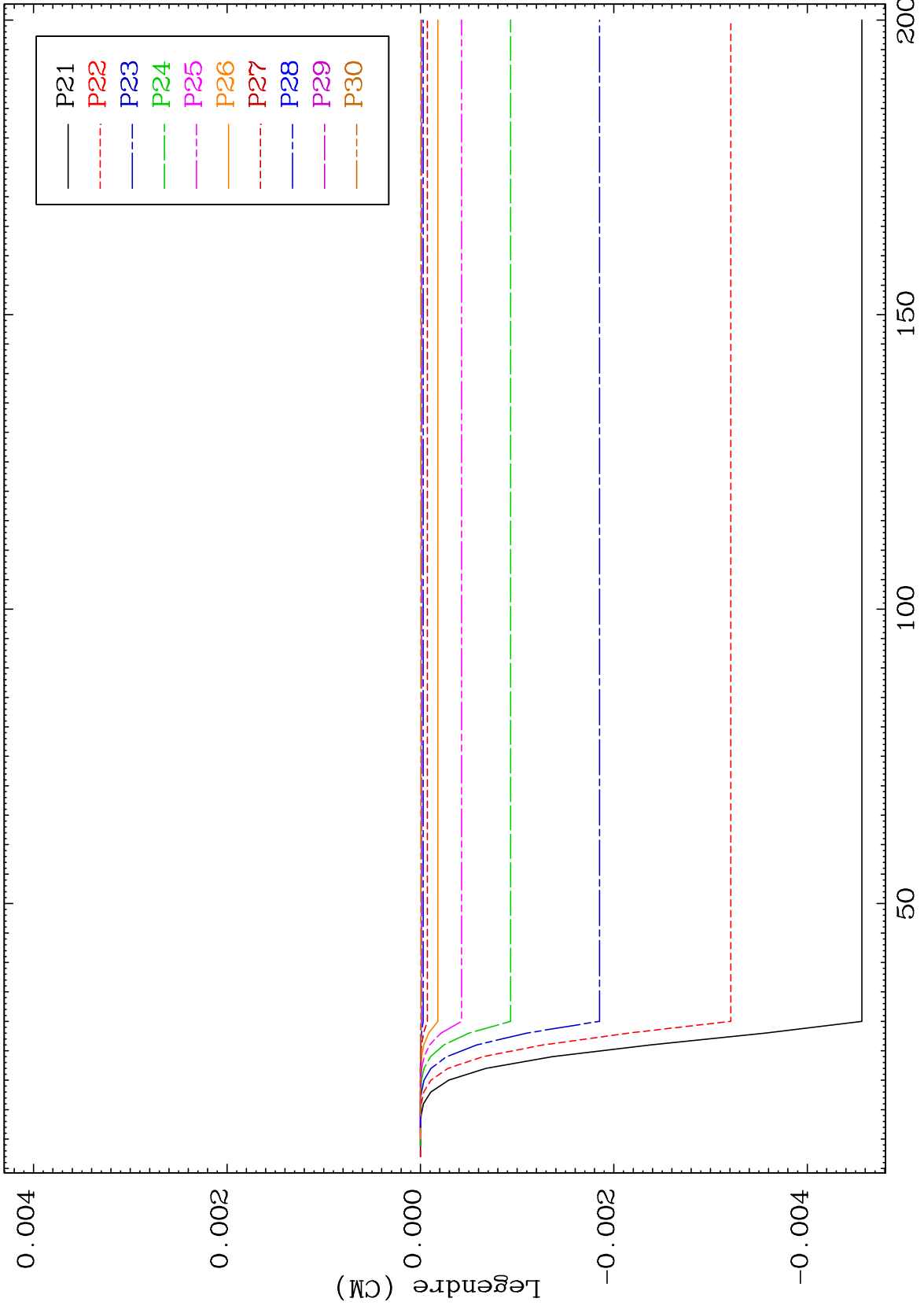
Incident Energy (MeV)

79-Au-180

MAT 7874

MT= 51 (n,n') Level
Legendre Coefficients

79-Au-180



21

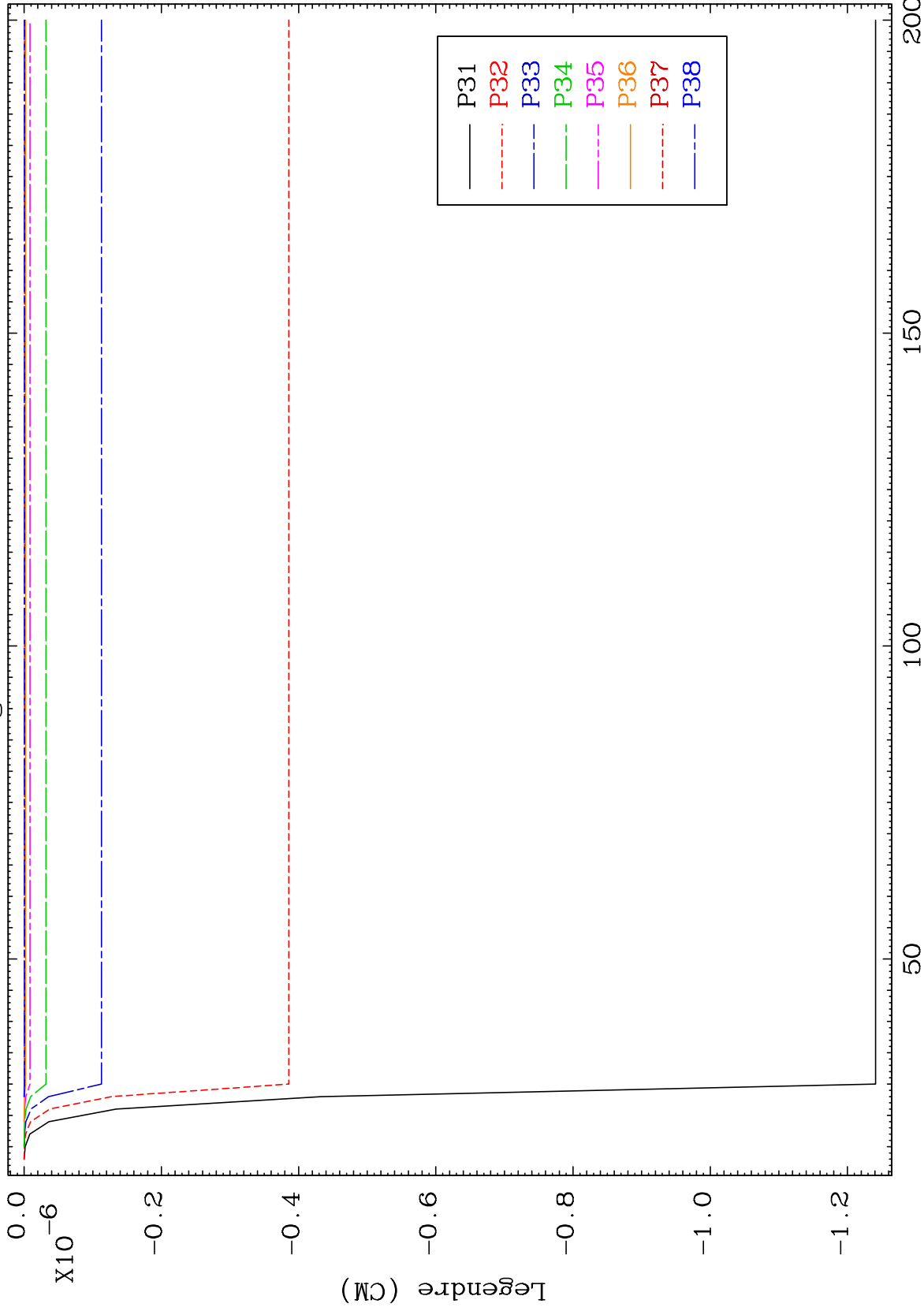
Incident Energy (MeV)

79-Au-180

MAT 7874

MT= 51 (n,n') Level
Legendre Coefficients

79-Au-180



79-Au-180

Incident Energy (MeV)

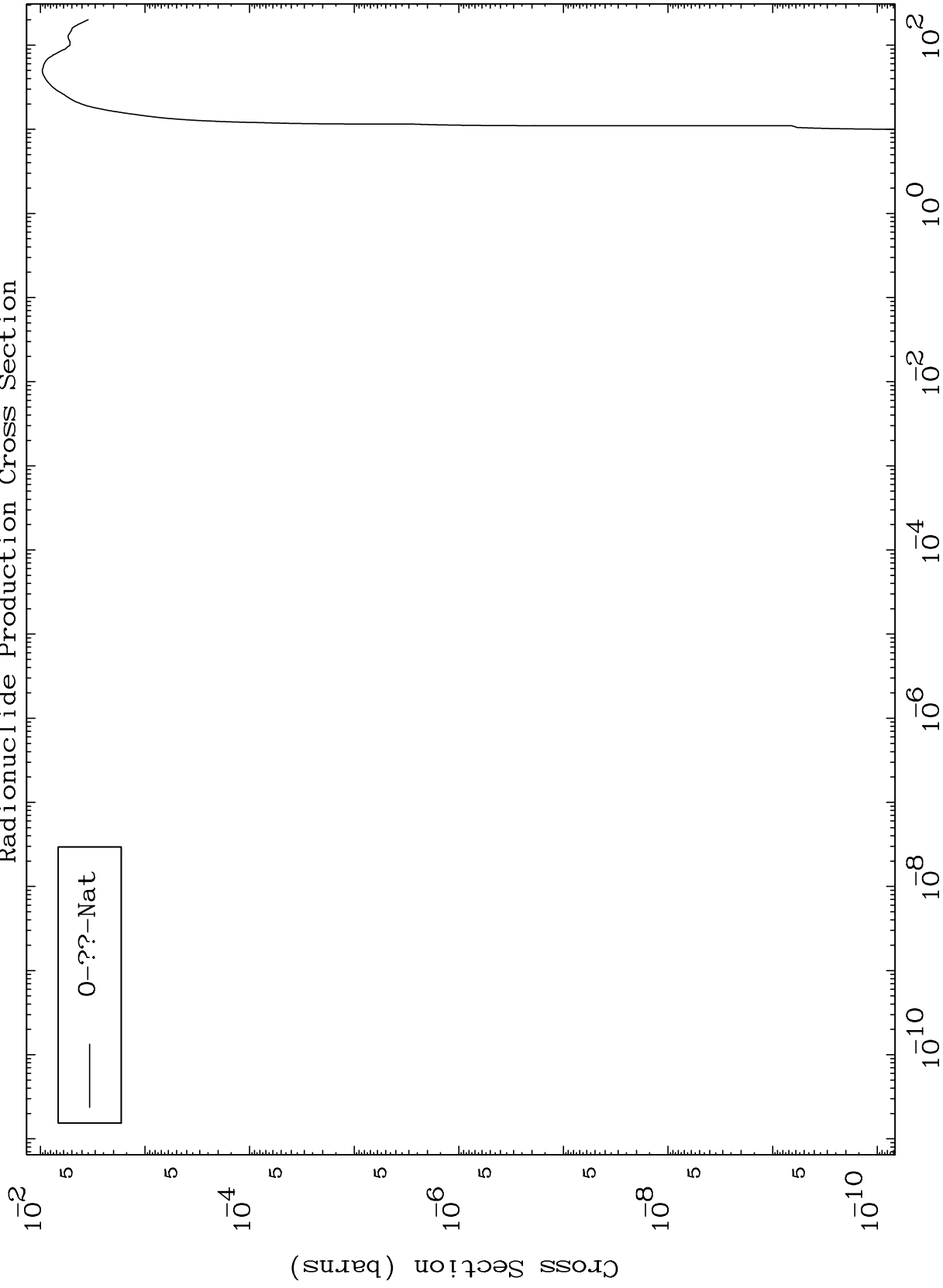
22

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Fission

⁷⁹Au-180

Radionuclide Production Cross Section



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Incident Energy (MeV)

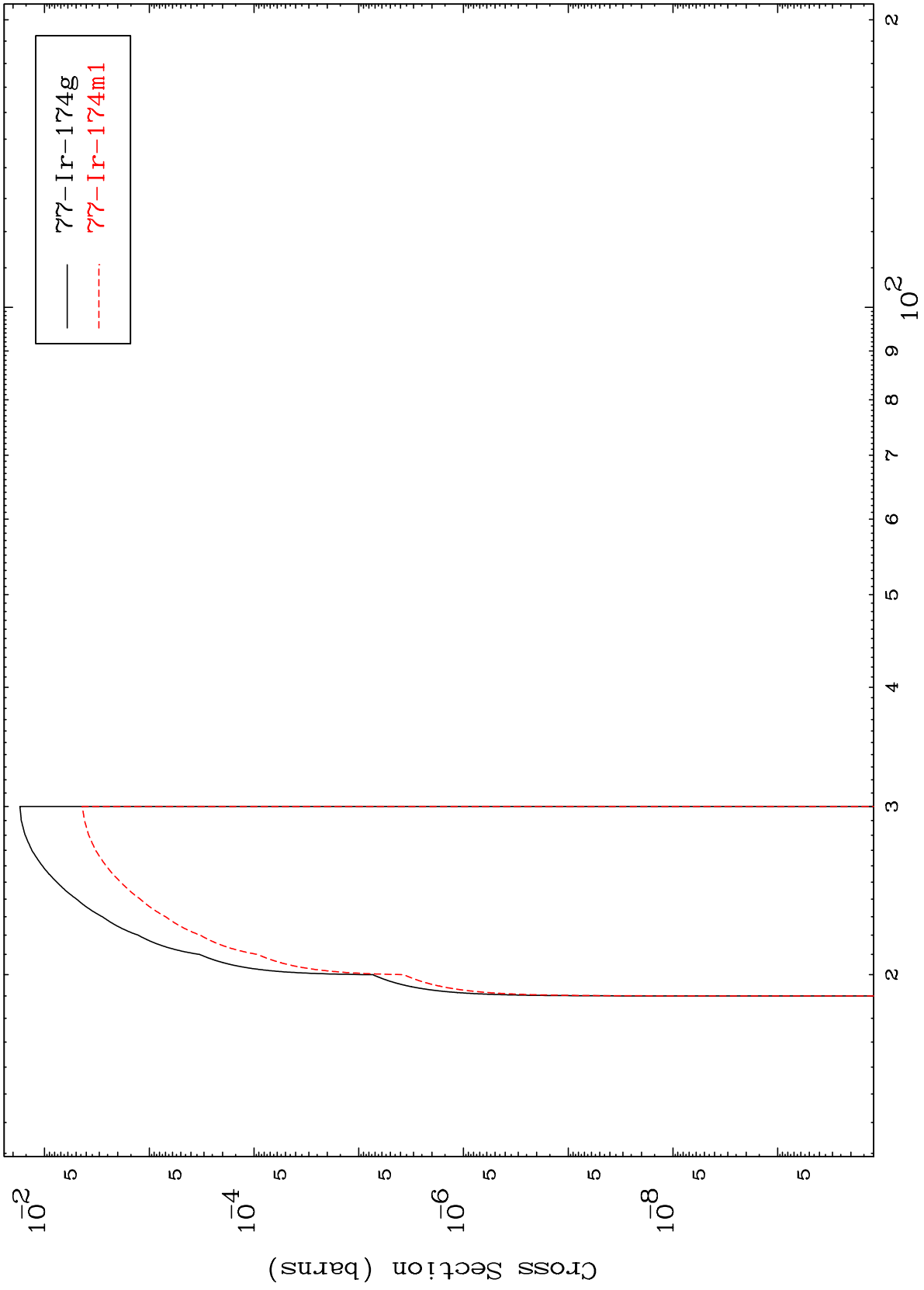
⁷⁹Au-180

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(n,3n) α

79-Au-180

Radionuclide Production Cross Section



24

Incident Energy (MeV)

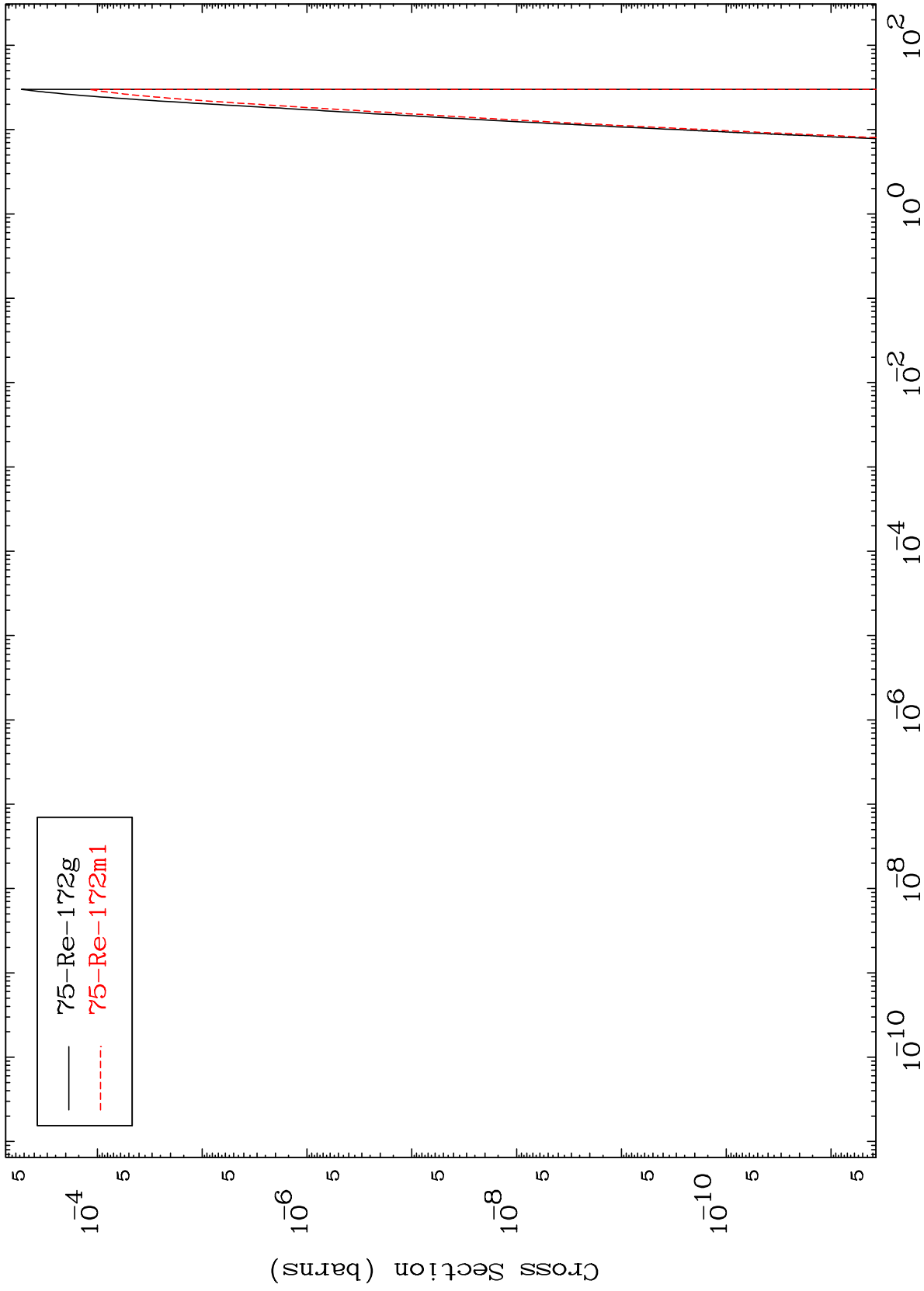
79-Au-180

MAT 7874

(n,n') 2 α

79-Au-180

Radionuclide Production Cross Section



25

Incident Energy (MeV)

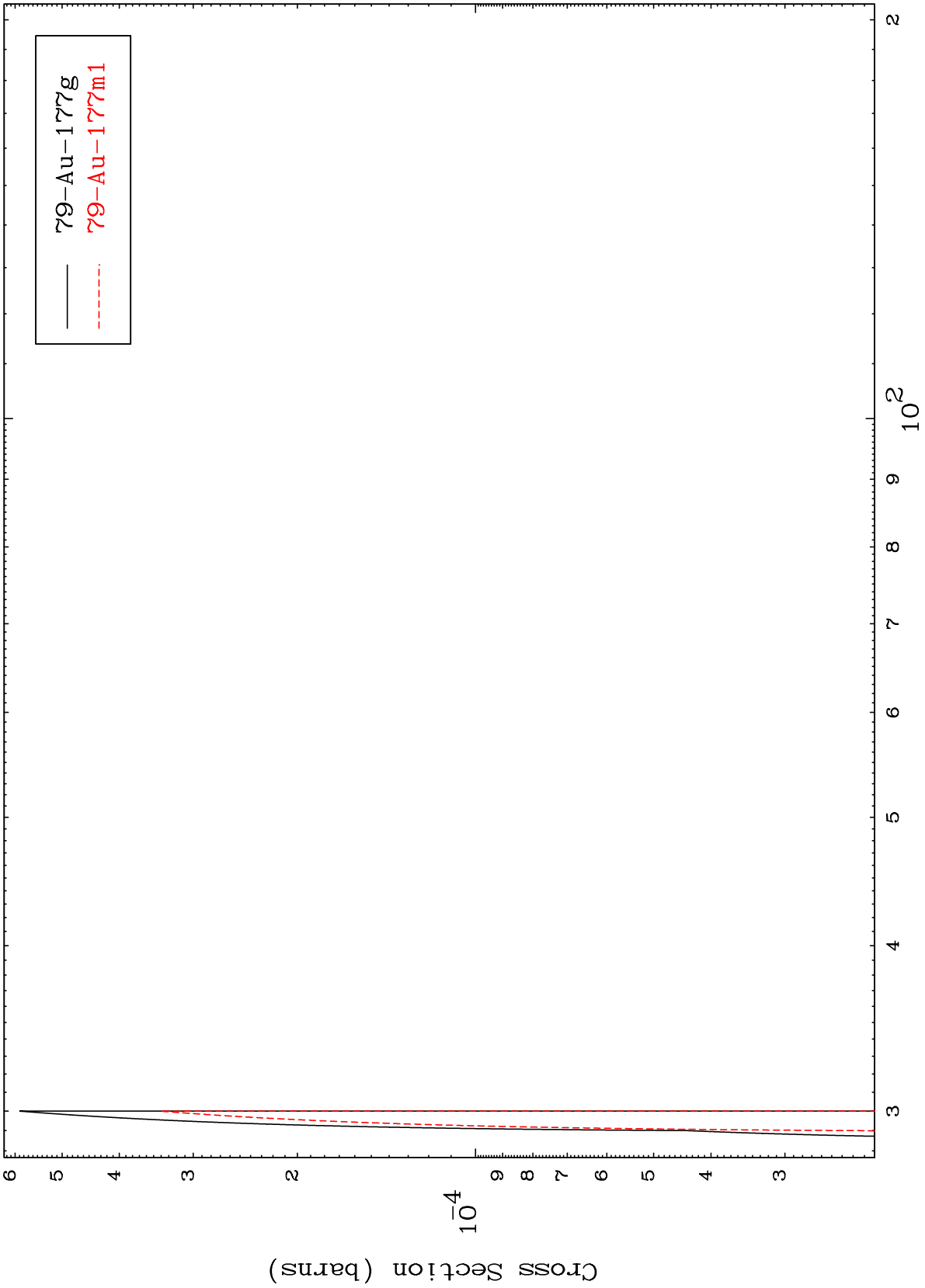
79-Au-180

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(n,4n)

⁷⁹Au-180

Radionuclide Production Cross Section



— ⁷⁹Au-177g
- - - ⁷⁹Au-177m1

26

Incident Energy (MeV)

⁷⁹Au-180